

INTERNATIONAL SEARCH REPORT

International Application No

PCT/Gb u3/04993

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C5/48 C10G11/22 C10G51/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C10G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 4 527 003 A (OHSHIMA MICHIO ET AL) 2 July 1985 (1985-07-02) column 10, line 50 -column 11, line 10 column 13, line 40-43 table 1 | 1-9 |
| X | US 4 655 904 A (OHSHIMA MICHIO ET AL) 7 April 1987 (1987-04-07) examples I, II column 12, line 28-39 claims 1-5 | 1-9 |
| X | US 4 264 435 A (READ JR ARTHUR E ET AL) 28 April 1981 (1981-04-28) column 5, line 25-28; claim 1; examples 1-3 | 1-9 |
| | --- -/-- | |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

22 March 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | GB 921 305 A (HOECHST AG) 20 March 1963 (1963-03-20) claim 1; example 1 --- | 1-9 |
| X | US 6 433 234 B1 (GRIFFITHS DAVID CHARLES ET AL) 13 August 2002 (2002-08-13) claim 17 --- | 1-9 |
| A | US 6 395 944 B1 (GRIFFITHS DAVID CHARLES ET AL) 28 May 2002 (2002-05-28) claim 1 ----- | 1-9 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/Gb 03/04993

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| US 4527003 | A | 02-07-1985 | JP 59159887 A | 10-09-1984 |
| | | | AU 558954 B2 | 12-02-1987 |
| | | | AU 2516884 A | 06-09-1984 |
| | | | CA 1215084 A1 | 09-12-1986 |
| | | | EP 0118391 A1 | 12-09-1984 |
| | | | US 4599479 A | 08-07-1986 |
| US 4655904 | A | 07-04-1987 | JP 1662386 C | 19-05-1992 |
| | | | JP 3029112 B | 23-04-1991 |
| | | | JP 60001138 A | 07-01-1985 |
| | | | CA 1219005 A1 | 10-03-1987 |
| | | | DE 3467370 D1 | 17-12-1987 |
| | | | EP 0129501 A1 | 27-12-1984 |
| US 4264435 | A | 28-04-1981 | NONE | |
| GB 921305 | A | 20-03-1963 | DE 1122054 B | 18-01-1962 |
| US 6433234 | B1 | 13-08-2002 | AT 232846 T | 15-03-2003 |
| | | | AU 754209 B2 | 07-11-2002 |
| | | | AU 5751499 A | 27-03-2000 |
| | | | CA 2343272 A1 | 16-03-2000 |
| | | | CN 1324337 T | 28-11-2001 |
| | | | CZ 20010835 A3 | 12-09-2001 |
| | | | DE 69905473 D1 | 27-03-2003 |
| | | | DE 69905473 T2 | 24-07-2003 |
| | | | EP 1112241 A1 | 04-07-2001 |
| | | | ES 2193745 T3 | 01-11-2003 |
| | | | WO 0014036 A1 | 16-03-2000 |
| | | | HU 0103946 A2 | 28-02-2002 |
| | | | ID 28378 A | 17-05-2001 |
| | | | JP 2002524582 T | 06-08-2002 |
| | | | NO 20011160 A | 08-05-2001 |
| | | | PL 346497 A1 | 11-02-2002 |
| | | | RU 2209202 C2 | 27-07-2003 |
| | | | TR 200100686 T2 | 21-06-2001 |
| | | | ZA 200101831 A | 05-06-2002 |
| US 6395944 | B1 | 28-05-2002 | AU 751027 B2 | 08-08-2002 |
| | | | AU 5642199 A | 03-04-2000 |
| | | | BR 9913555 A | 05-06-2001 |
| | | | EP 1129056 A1 | 05-09-2001 |
| | | | WO 0015587 A1 | 23-03-2000 |
| | | | US 2002143220 A1 | 03-10-2002 |